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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/945,050	08/31/2001	Mats Frannhagen	05043.P025	3050

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EXAMINER

LEVIN, NAUM B

ART UNIT	PAPER NUMBER
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2825

DATE MAILED: 02/26/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/945,050

Applicant(s)

FRANNHAGEN, MATS

Examiner

Naum B Levin

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 31 August 2001.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-55 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-55 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 31 August 2001 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on _____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____.
- 4) ☐ Interview Summary (PTO-413) Paper No(s). _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. Claims 1-55 are rejected under 35 U.S.C. 102(e) as being anticipated by Winegarden et al. (US Patent 6,467,009).

Winegarden discloses configurable processor system unit including:

(1), (14), (19), (21), (22), (34), (36), (37), (47), (52), (54), (55) A method, apparatus and machine readable medium comprising (col.3, ll.50-67; col.4, ll.1-10 and col.20, ll.16-32):

a) rolling a vector of request values, said request values provided by a plurality of request agents, wherein said rolling of said vector results in a rolled vector that reflects a round robin grant eligibility hierarchy and wherein a position within said rolled vector is reserved for a request value that was provided by a request agent that is to be recognized as being eligible for a grant (col.5, ll.8-22; col.6, ll.20-67; col.7, ll.1-11 and ll.46-47; col.17, ll.48-67 and col.18, ll.1-9); and

b) extracting a first active request value that is observed in said rolled vector, starting from said position and extending in a direction toward a request value that is to

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be recognized as a request from a next request agent to be recognized as being grant eligible within said eligibility hierarchy (col.8, ll.16-48; col.14, ll.2-4 and ll.10-42 and col.15, ll.18-37);

(2), (15), (23), (38), (48) The method, apparatus and machine readable medium wherein said position is the least significant position (col.13, ll.1-12; col.27, ll.24-32 and col.31, ll.53-57);

(3), (16), (24), (49) The method, apparatus and machine readable medium further comprising scanning said rolled vector for said first active request value, said scanning starting at said position (col.26, ll.58-67 and col.27, ll.1-9);

(4), (20), (35), (53) The method, apparatus and machine readable medium further comprising issuing a grant to that request agent of said request agents whose request corresponds to said active request value (col.14, ll.10-42; col.26, ll.58-67 and col.27, ll.1-9 and ll.24-32);

(5), (17), (25), (39), (50) The method, apparatus and machine readable medium wherein said position is the most significant position (col.31, ll.53-67 and col.32, ll.1-6);

(6), (18), (26), (51) The method, apparatus and machine readable medium further comprising scanning said rolled vector for an active request value, said scanning starting at said position (col.26, ll.58-67 and col.27, ll.1-9);

(7), (27) The method and apparatus further comprising issuing a grant to that request agent of said request agents whose request corresponds to said active request value (col.14, ll.10-42; col.26, ll.58-67 and col.27, ll.1-9 and ll.24-32);

(8), (28), (40), (43) The method and apparatus wherein said grant is a grant for bandwidth resources (col.34, ll.43-49);

(9), (29), (44) The method and apparatus wherein said grant is a grant for routing resources (col. 7, ll.50-67 and col.8, ll.1-15);

(10), (30), (45) The method and apparatus wherein said grant is a grant for switching resources (col.25, ll.66-67; col.6 ll.1-4 and col.27, ll.17-23);

(11), (31), (46) The method and apparatus wherein said grant is a grant for processing resources (col.6, ll.62-67 and col.7, ll.1-11);

(12), (32), (41) The method and apparatus wherein said extracted first active request value is first provided in an output vector arranged as said rolled vector is arranged (col.26, ll.58-67; col.27, ll.1-9);

(13), (33), (42) The method and apparatus further comprising un-rolling said output vector so as to produce a second output vector arranged as said vector of request values is arranged (col.26, ll.58-67; col.27, ll.1-9).

Conclusion

1. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Naum B Levin whose telephone number is 703-305-0144. The examiner can normally be reached on M-F (8:00-4:30).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Matthew S Smith can be reached on 703-308-1323. The fax phone numbers for the organization where this application or proceeding is assigned are 703-

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872-9318 for regular communications and 703-872-9319 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-308-0956.

N L
February 11, 2003


VUTHE SIEK
PRIMARY EXAMINER